Fig. 1

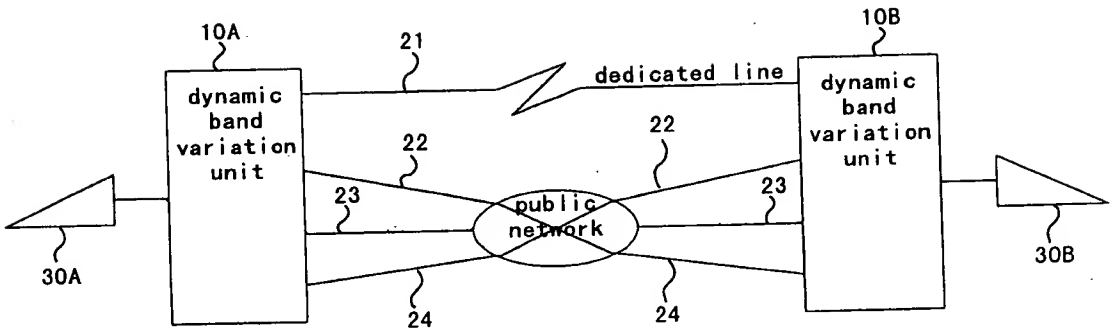

10A
21
dedicated line
10B
dynamic band variation unit
dynamic band variation unit
22
22
23
23
public network
30A
30B
24
24

Fig. 2

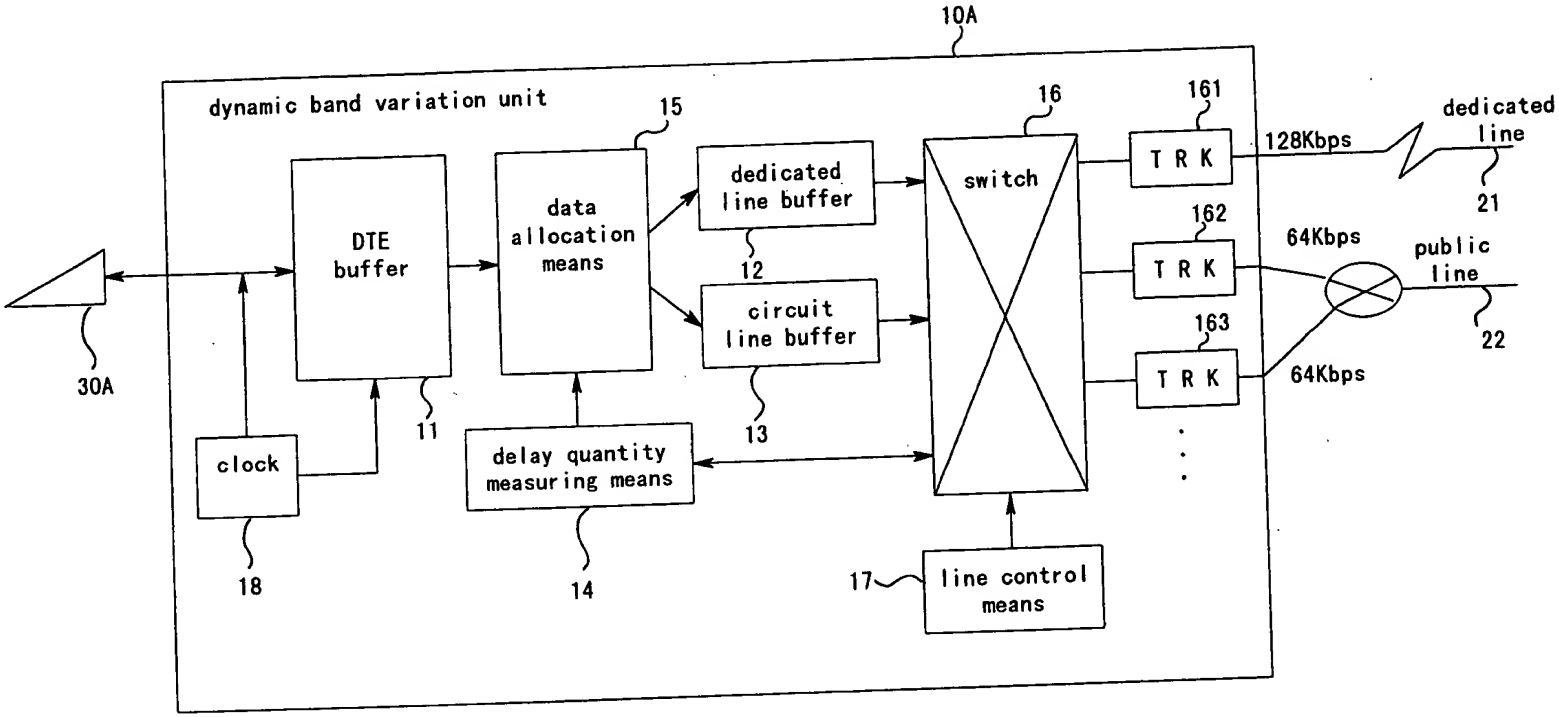

10A
dynamic band variation unit
15
16
161
dedicated line
128Kbps
21
DTE buffer
data allocation means
dedicated line buffer
switch
T R K
162
64Kbps
public line
12
circuit line buffer
T R K
163
T R K
64Kbps
22
30A
11
13
clock
delay quantity measuring means
18
14
17
line control means

Fig. 3

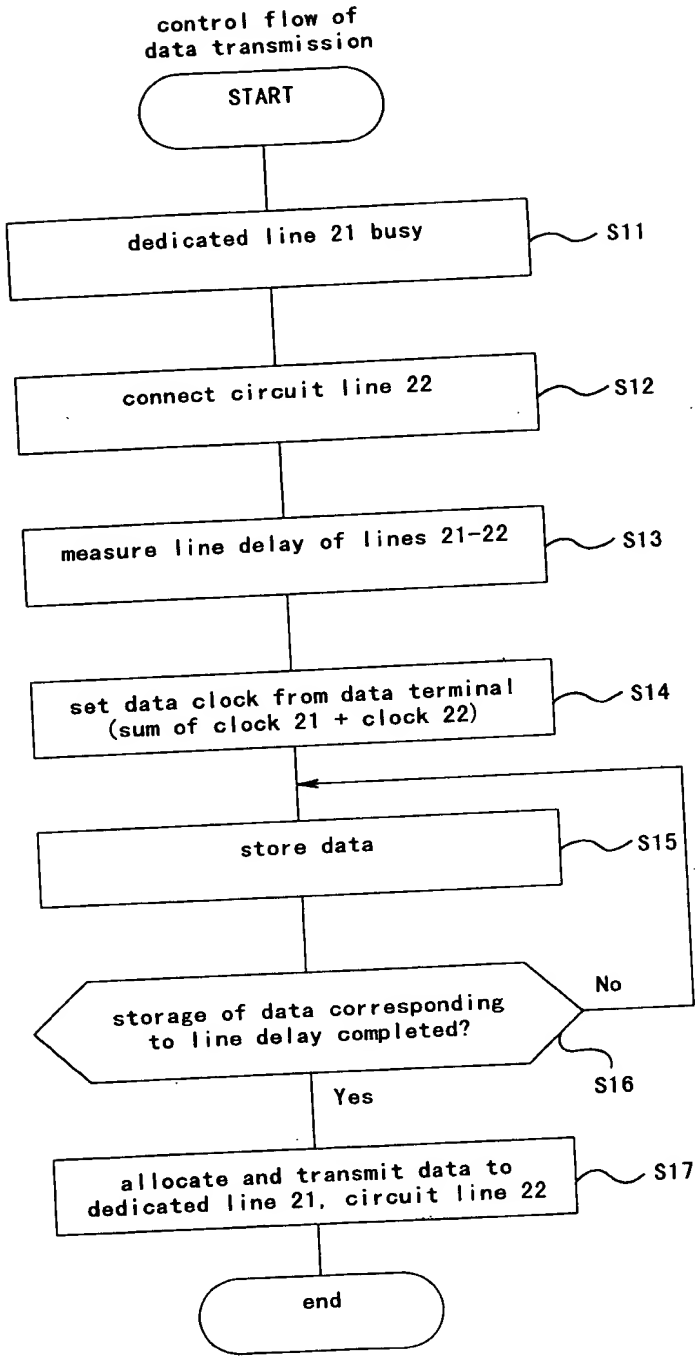
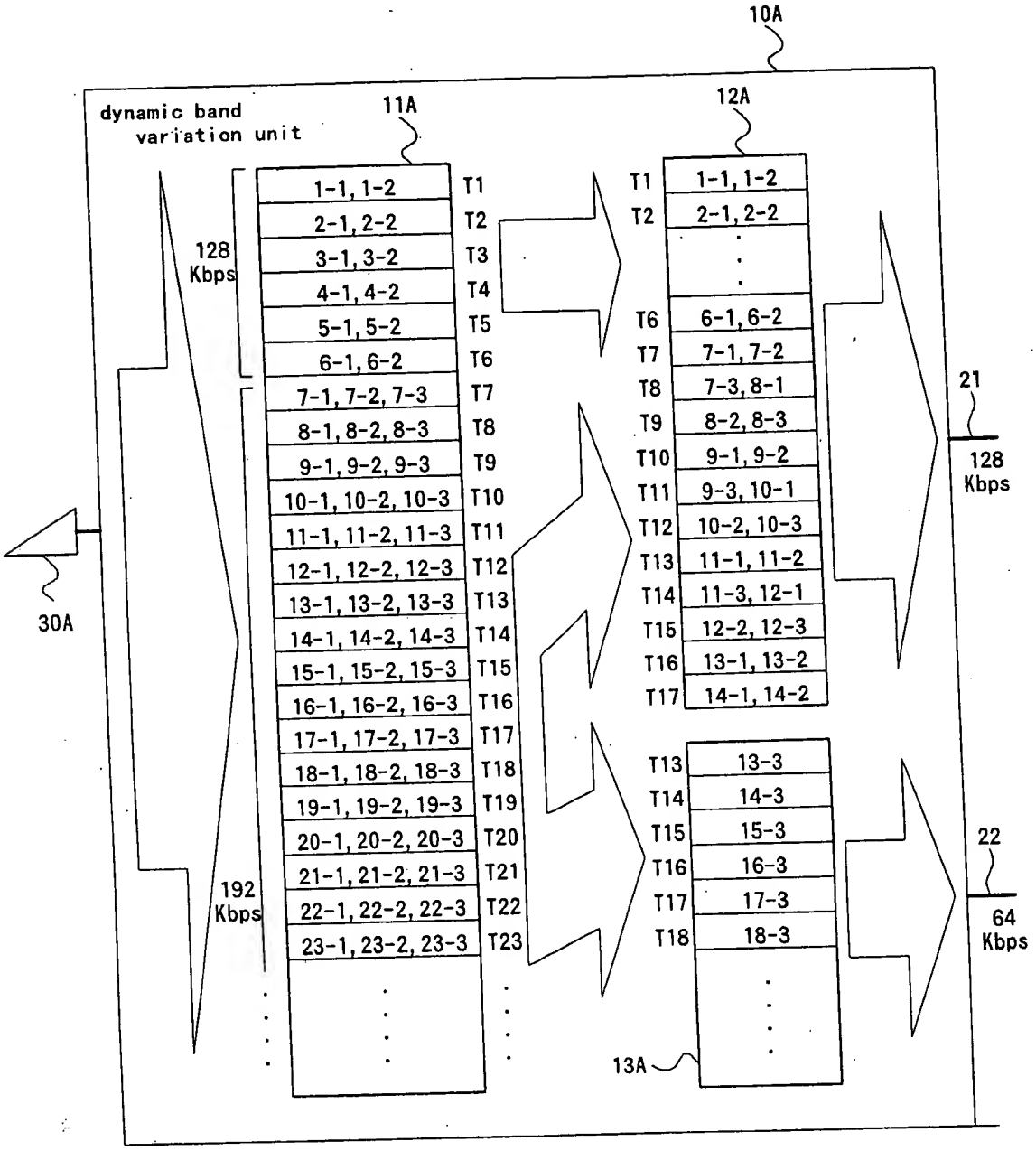

control flow of
data transmission
START
dedicated line 21 busy
S11
connect circuit line 22
S12
measure line delay of lines 21-22
S13
set data clock from data terminal
(sum of clock 21 + clock 22)
S14
store data
S15
storage of data corresponding
to line delay completed?
No
S16
Yes
allocate and transmit data to
dedicated line 21, circuit line 22
S17
end

Fig. 4


10A
dynamic band variation unit
11A
12A
128 Kbps
192 Kbps
1-1, 1-2 T1
2-1, 2-2 T2
3-1, 3-2 T3
4-1, 4-2 T4
5-1, 5-2 T5
6-1, 6-2 T6
7-1, 7-2, 7-3 T7
8-1, 8-2, 8-3 T8
9-1, 9-2, 9-3 T9
10-1, 10-2, 10-3 T10
11-1, 11-2, 11-3 T11
12-1, 12-2, 12-3 T12
13-1, 13-2, 13-3 T13
14-1, 14-2, 14-3 T14
15-1, 15-2, 15-3 T15
16-1, 16-2, 16-3 T16
17-1, 17-2, 17-3 T17
18-1, 18-2, 18-3 T18
19-1, 19-2, 19-3 T19
20-1, 20-2, 20-3 T20
21-1, 21-2, 21-3 T21
22-1, 22-2, 22-3 T22
23-1, 23-2, 23-3 T23
T1 1-1, 1-2
T2 2-1, 2-2
T6 6-1, 6-2
T7 7-1, 7-2
T8 7-3, 8-1
T9 8-2, 8-3
T10 9-1, 9-2
T11 9-3, 10-1
T12 10-2, 10-3
T13 11-1, 11-2
T14 11-3, 12-1
T15 12-2, 12-3
T16 13-1, 13-2
T17 14-1, 14-2
T13 13-3
T14 14-3
T15 15-3
T16 16-3
T17 17-3
T18 18-3
13A
21
128 Kbps
22
64 Kbps
30A

6690S0 25+S0E60

Fig. 5

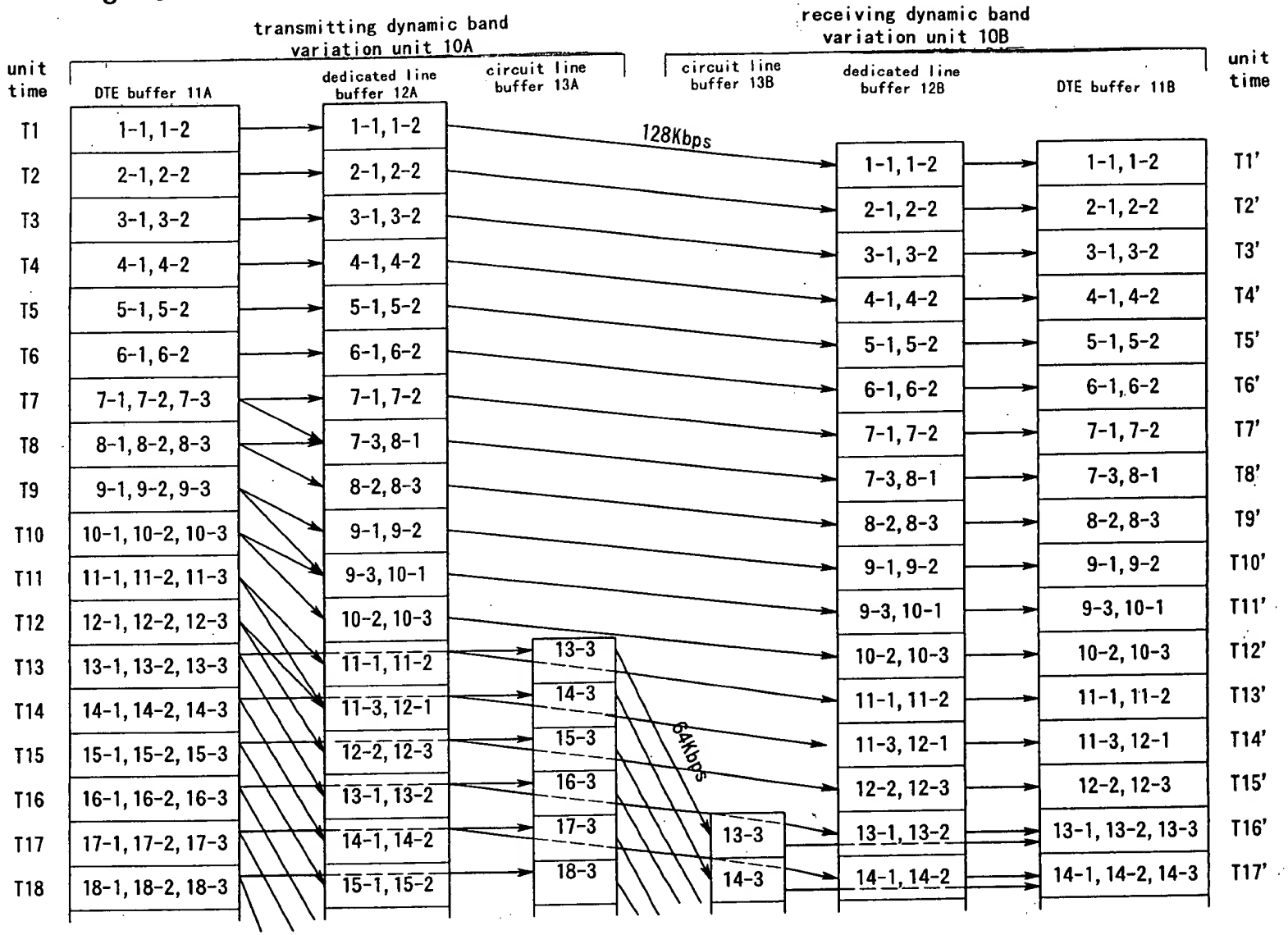


Fig. 6

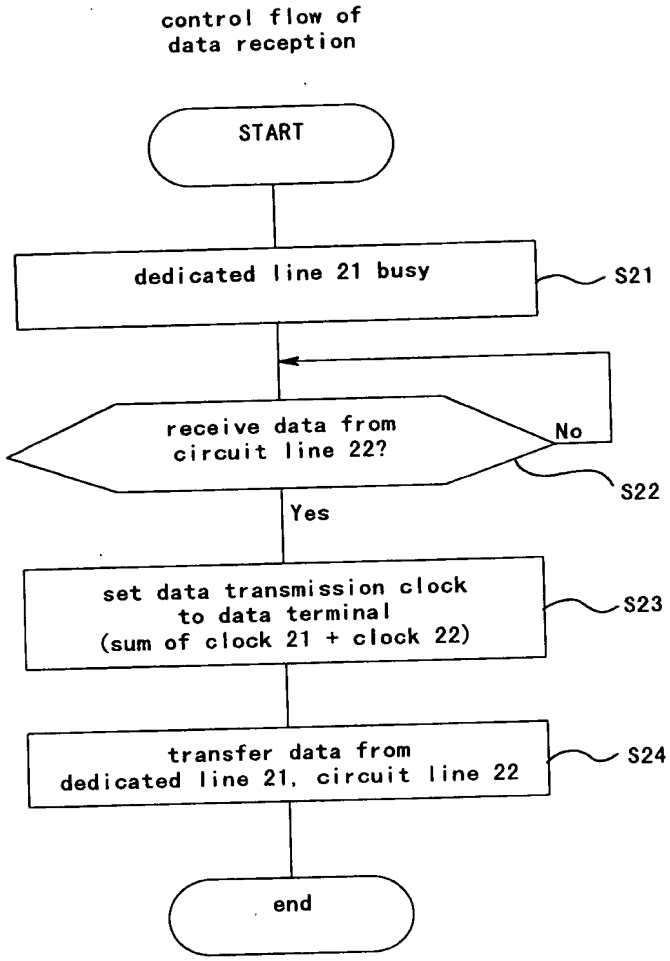
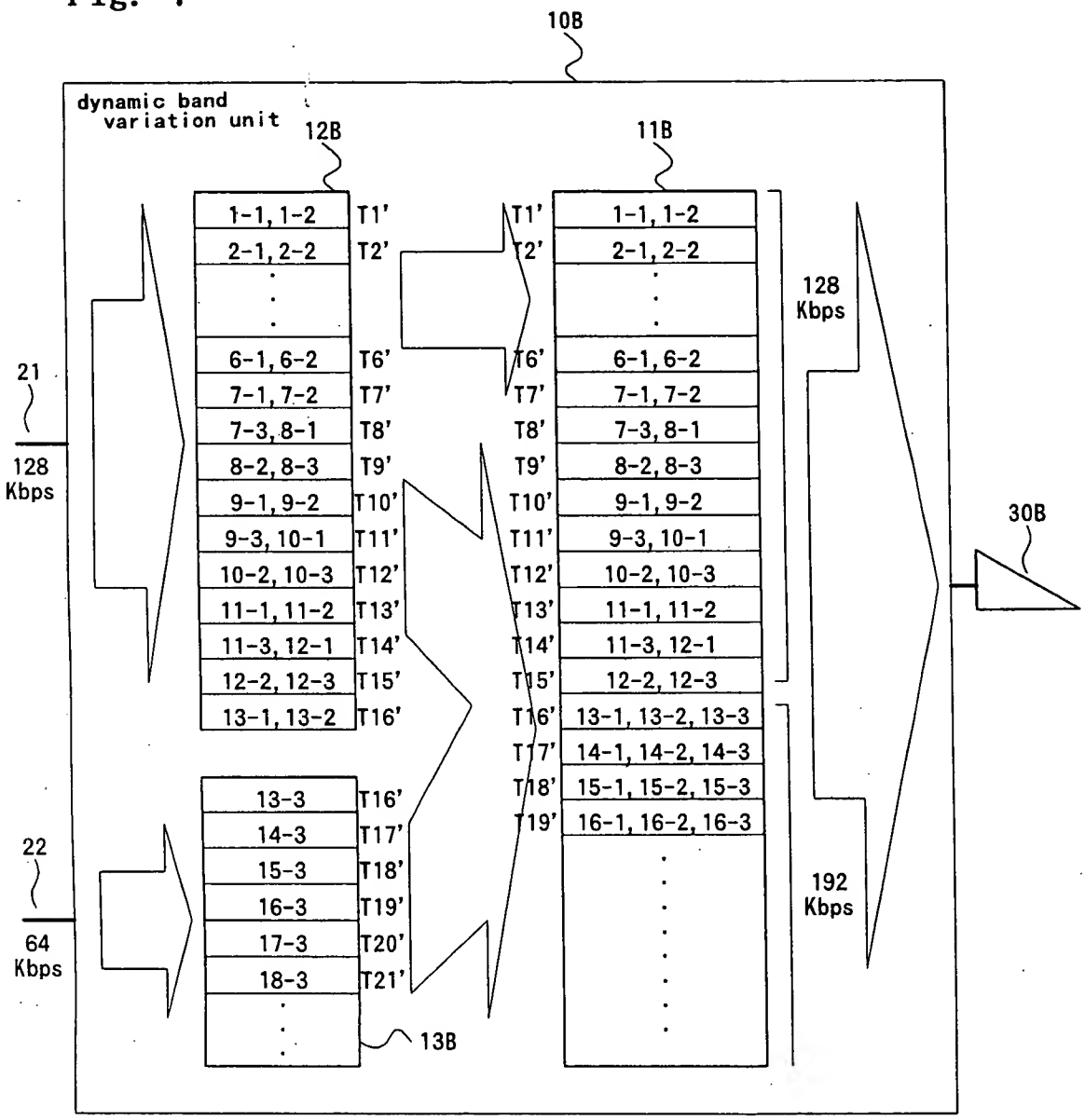

control flow of
data reception
START
dedicated line 21 busy
S21
receive data from
circuit line 22?
No
S22
Yes
set data transmission clock
to data terminal
(sum of clock 21 + clock 22)
S23
transfer data from
dedicated line 21, circuit line 22
S24
end

Fig. 7


10B
dynamic band variation unit
12B
11B
1-1, 1-2
2-1, 2-2
6-1, 6-2
7-1, 7-2
7-3, 8-1
8-2, 8-3
9-1, 9-2
9-3, 10-1
10-2, 10-3
11-1, 11-2
11-3, 12-1
12-2, 12-3
13-1, 13-2
13-3
14-3
15-3
16-3
17-3
18-3
T1'
T2'
T6'
T7'
T8'
T9'
T10'
T11'
T12'
T13'
T14'
T15'
T16'
T17'
T18'
T19'
T20'
T21'
13-1, 13-2, 13-3
14-1, 14-2, 14-3
15-1, 15-2, 15-3
16-1, 16-2, 16-3
13B
21
128 Kbps
22
64 Kbps
128 Kbps
192 Kbps
30B